

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	212791	digital potentiometer	US-PGPUB	OR	ON	2005/06/09 12:01
L2	678837	digital potentiometer	US-PGPUB; USPAT	OR	ON	2005/06/09 12:01
L3	778	"digital potentiometer"	US-PGPUB; USPAT	OR	ON	2005/06/09 12:01
L4	61	"digital potentiometer" same parallel	US-PGPUB; USPAT	OR	ON	2005/06/09 12:01
L5	69	(digital adj2 potentiometer) same parallel	US-PGPUB; USPAT	OR	ON	2005/06/09 12:08
L6	253	voltage same scaling same dac	US-PGPUB; USPAT	OR	ON	2005/06/09 12:08
L7	10	voltage same scaling same dac same parallel	US-PGPUB; USPAT	OR	ON	2005/06/09 12:09
L8	2	"6555996".pn. or "6331768".pn.	US-PGPUB; USPAT	OR	ON	2005/06/09 12:14
L9	0	("6555996").URPN.	USPAT	OR	ON	2005/06/09 12:15
L10	4	("6331768").URPN.	USPAT	OR	ON	2005/06/09 12:16
L11	4424	digital same (resistor or resistance or impedance) same parallel	USPAT	OR	ON	2005/06/09 12:17
L12	46	(digital adj2 (resistor or resistance or impedance)) same parallel	USPAT	OR	ON	2005/06/09 12:17

10708800\_CLS.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10708800 on June 09, 2005

Original Classifications

3 323/354  
3 702/65  
2 323/369  
2 345/161  
2 345/184

Cross-Reference Classifications

5 323/354  
4 345/157  
2 74/471XY  
2 257/E27.026  
2 323/297  
2 323/298  
2 341/13  
2 341/145  
2 345/156  
2 345/158  
2 381/109  
2 463/38

Combined Classifications

8 323/354  
4 345/157  
3 341/145  
3 345/156  
3 345/161  
3 702/65  
2 74/471XY  
2 200/6A  
2 257/E27.026  
2 315/382  
2 323/297  
2 323/298  
2 323/369  
2 338/89  
2 341/13  
2 341/144  
2 345/158  
2 345/184  
2 381/109  
2 463/38  
2 702/85

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10708800 on June 09, 2005

8	323/354	(3 OR, 5 XR)	
	Class 323 :	ELECTRICITY: POWER SUPPLY OR REGULATION SYSTEMS	
	323/318	EXTERNAL OR OPERATOR CONTROLLED	
	323/352	.Using an impedance as the final control device	
	323/353	..Resistor	
	323/354	...Selective	
4	345/157	(0 OR, 4 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/156	DISPLAY PERIPHERAL INTERFACE INPUT DEVICE	
	345/157	.Cursor mark position control device	
3	341/145	(1 OR, 2 XR)	
	Class 341 :	CODED DATA GENERATION OR CONVERSION	
	341/126	ANALOG TO OR FROM DIGITAL CONVERSION	
	341/144	.Digital to analog conversion	
	341/145	..Coarse and fine conversions	
3	345/156	(1 OR, 2 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/156	DISPLAY PERIPHERAL INTERFACE INPUT DEVICE	
3	345/161	(2 OR, 1 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/156	DISPLAY PERIPHERAL INTERFACE INPUT DEVICE	
	345/157	.Cursor mark position control device	
	345/161	..Joystick	
3	702/65	(3 OR, 0 XR)	
	Class 702 :	DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	
	702/1	MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT	
	702/57	.Electrical signal parameter measurement system	
	702/64	..Voltage or current	
	702/65	...Including related electrical parameter	
2	74/471XY	(0 OR, 2 XR)	
	Class 074 :	MACHINE ELEMENT OR MECHANISM	
	74/469	CONTROL LEVER AND LINKAGE SYSTEMS	
	74/471R	.Multiple controlled elements	
	74/471XY	..Control moves in two planes	
2	200/6A	(1 OR, 1 XR)	
	Class 200 :	ELECTRICITY: CIRCUIT MAKERS AND BREAKERS	
	200/1R	MULTIPLE CIRCUIT CONTROL	
	200/6R	.Pivoted contact	
	200/6A	..Universally pivoted handle	
2	257/E27.026	(0 OR, 2 XR)	
	Class 257 :	ACTIVE SOLID-STATE DEVICES	

10708800\_CLSTITLES.txt

257/E27.006 .Including piezo-electric, electro-resistive,  
or magneto-resistive component (EPO)

257/E27.009 .Including semiconductor component with at  
least one potential barrier or surface barrier adapted  
for  
rectifying, oscillating, amplifying, or switching, or  
including integrated passive circuit elements (EPO)

257/E27.01 ..With semiconductor substrate only (EPO)

257/E27.011 ...Including a plurality of components in a  
non-repetitive configuration (EPO)

257/E27.026 ....Integrated circuit having a  
three-dimensional layout (EPO)

2 315/382 (1 OR, 1 XR)  
Class 315 : ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS

315/1 CATHODE RAY TUBE CIRCUITS

315/364 .Cathode-ray deflections circuits

315/379 ..With additional control of cathode ray

315/382 ...With focusing of ray

2 323/297 (0 OR, 2 XR)  
Class 323 : ELECTRICITY: POWER SUPPLY OR REGULATION  
SYSTEMS

323/234 OUTPUT LEVEL RESPONSIVE

323/293 .Using an impedance as the final control device

323/297 ..Plural selective resistors

2 323/298 (0 OR, 2 XR)  
Class 323 : ELECTRICITY: POWER SUPPLY OR REGULATION  
SYSTEMS

323/234 OUTPUT LEVEL RESPONSIVE

323/293 .Using an impedance as the final control device

323/298 ..Variable resistor

2 323/369 (2 OR, 0 XR)  
Class 323 : ELECTRICITY: POWER SUPPLY OR REGULATION  
SYSTEMS

323/364 INCLUDING AN IMPEDANCE

323/369 .Thermistor or resistor

2 338/89 (1 OR, 1 XR)  
Class 338 : ELECTRICAL RESISTORS

338/68 MECHANICALLY VARIABLE (E.G., RHEOSTAT)

338/89 .Mathematical function (e.g., sine-cosine  
potentiometer)

2 341/13 (0 OR, 2 XR)  
Class 341 : CODED DATA GENERATION OR CONVERSION

341/1 DIGITAL PATTERN READING TYPE CONVERTER

341/13 .Optical

2 341/144 (1 OR, 1 XR)  
Class 341 : CODED DATA GENERATION OR CONVERSION

341/126 ANALOG TO OR FROM DIGITAL CONVERSION

341/144 .Digital to analog conversion

2 345/158 (0 OR, 2 XR)  
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

10708800\_CLSTITLES.txt

345/156	DISPLAY PERIPHERAL INTERFACE INPUT DEVICE	
345/157	.Cursor mark position control device	
345/158	..Including orientation sensors (e.g., infrared, ultrasonic, remotely controlled)	
2 345/184	(2 OR, 0 XR)	
Class 345	: COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
345/156	DISPLAY PERIPHERAL INTERFACE INPUT DEVICE	
345/184	.Mechanical control (e.g., rotatable knob, slider)	
2 381/109	(0 OR, 2 XR)	
Class 381	: ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES	
381/104	INCLUDING AMPLITUDE OR VOLUME CONTROL	
381/109	.with manual volume control	
2 463/38	(0 OR, 2 XR)	
Class 463	: AMUSEMENT DEVICES: GAMES	
463/1	INCLUDING MEANS FOR PROCESSING ELECTRONIC DATA (E.G., COMPUTER/VIDEO GAME, ETC.)	
463/36	.Player-actuated control structure (e.g., brain-wave or body signal, bar-code wand, foot pedal, etc.)	
463/37	..Hand manipulated (e.g., keyboard, mouse, touch panel, etc.)	
463/38	...Pivotally-translatable handle (e.g., joystick, etc.)	
2 702/85	(1 OR, 1 XR)	
Class 702	: DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING	
702/85	CALIBRATION OR CORRECTION SYSTEM	

PLUS Search Results for S/N 10708800, Searched June 09, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4783659  
4331954  
6137280  
5208535  
5495245  
5945929  
6201491  
4607288  
4504963  
4978954  
5208548  
5410265  
5731736  
5923159  
4763107  
5874938  
6175359  
6239655  
5606515  
4516107  
6331768  
6555996  
4016483  
5019677  
5191320  
5260877  
5442865  
5838222  
4266197  
4849903  
5786808  
6144721  
6320451  
6809531  
3634868  
4361066  
4374524  
4394627  
4501939  
4773370  
4864513  
4867152  
4902940  
4987372  
5218225  
5225831  
5243535  
5297056  
5444644  
5517470

10708800\_QUAL.txt

4783659 66  
4331954 66  
6137280 61  
5208535 61  
5495245 60  
5945929 60  
6201491 60  
4607288 60  
4504963 60  
4978954 60  
5208548 60  
5410265 60  
5731736 60  
5923159 60  
4763107 60  
5874938 60  
6175359 60  
6239655 60  
5606515 58  
4516107 55  
6331768 55  
6555996 55  
4016483 55  
5019677 55  
5191320 55  
5260877 55  
5442865 55  
5838222 55  
4266197 55  
4849903 55  
5786808 55  
6144721 55  
6320451 55  
6809531 55  
3634868 55  
4361066 55  
4374524 55  
4394627 55  
4501939 55  
4773370 55  
4864513 55  
4867152 55  
4902940 55  
4987372 55  
5218225 55  
5225831 55  
5243535 55  
5297056 55  
5444644 55  
5517470 55